

Guardrail Committee Agenda

July 23rd, 2003

10:00 AM

Roadway Design Conference Room

- I. Guardrail appearance (Comment received by Mr. Warren Walker)

Action: *Materials and Test will coordinate with the Construction Unit to develop a Special Provision to address this issue. The revised Special Provision will then be provided to the Contracts and Proposals Section.*

- II. Cable guiderail placement on the low side of a curve (Comment received by Mr. Warren Walker). Reference new detail of 46 foot median guiderail transitions with superelevation and/or false sumps. Attachment 1

Action: *Mr. Gary Lee will check into revising this detail to note that the guiderail transitions are not required in areas with superelevation where the ditch slope remains 6:1 or flatter.*

- III. Maintenance concerns with cable guiderail placement (4 feet from centerline) with median widths greater than 60 feet. (Comment received from Mr. Jerry Page). Reference STD. 865.01 sheet 1 of 11 - Attachment 2

Action: *It was determined by the committee to revise the guiderail offset from a 4 foot minimum to 8 feet for 60 and 70 foot medians. Adding the additional width will help with maintenance and reduce the likelihood of a vehicle going underneath the bottom line of cable guiderail.*

- IV. Cable guiderail attachment with M-350 Anchor unit; closing up existing 20 foot gaps and maintenance concerns - Attachment 3

Action:

- 1) *The committee has a concern with the maintenance of cable guiderail (at present a 60 day repair time).*
- 2) *Maintenance has no concerns with closing up the gaps.*
- 3) *FHWA wants to remove the existing 20 foot gaps.*
- 4) *Mr. Brad Hibbs will get more information from the South Dakota DOT to determine at what locations they use this type of attachment.*

- V. All proprietary anchor units and Impact Attenuators - Special Provision to include assembly instructions (Comment received by Mr. Gary Lee) Attachment 4

Action: Mr. Gary Lee will get this added to the Special Provisions.

- VI. Request to extend shoulder berm gutter along guardrail anchor units (Comment received by Mr. Jay Twisdale). Division Construction Engineers (primarily 1, 2, and 3) often make this request to address mowing and erosion concerns.

Action:

- 1) Mr. Warren Walker will discuss this issue further with the Division Construction and Maintenance Engineers to determine their primary concerns in regards to this request.
- 2) Mr. Ed Lorbacher will contact the guardrail suppliers/manufacturers to get their comments.

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